

## CLAIM AMENDMENTS

Please cancel claims 12 and 23-27, amend claims 1-11 and 15-22 and add new claims 28-50 as follows:

1 (Currently Amended): Automotive stabilizer or recycler [(1)] for producing carriageways by stabilizing insufficiently stable soils or by recycling road surfaces, with

- a machine chassis [(4)] supported by a running gear [(2)] having two front and rear axles,
  - a milling drum [(20)] mounted between the ~~two~~ front and rear axles of the running gear [(2)] adapted to be pivoted in relation to the machine chassis [(4)], a shaft of the milling drum [(20)] is mounted in pivoting arms [(42)] and runs transversely to the direction of travel,
  - a cover [(28)] surrounding the milling drum [(20)],
  - a combustion engine [(32)] supported by the machine chassis [(4)] with at least one output shaft [(34)] for the drive power required for driving the milling drum [(20)],
  - whereby at least one mechanical power transmission device [(36)] transfers the drive power from the output shaft [(34)] to the milling drum [(20)],
- characterized in that,
- the combustion engine [(32)] is fixed to the machine chassis [(4)] between the pivoting arms [(42)] and behind the front axle and in front of

the rear axle,

- the at least one output shaft [(34)] being arranged transversely to the direction of travel,
- the at least one mechanical power transmission device [(36)], together with the milling drum [(20)] are carried by the pivoting arms [(42)],
- and the pivoting arms [(42)] are pivoted for rotation about the axis of the output shaft [(34)] of the combustion engine [(32)].

2 (Currently Amended): The stabilizer or recycler in accordance with claim 1, characterized in that the output shaft [(34)] of the combustion engine [(32)] is ~~parallel to or~~ coaxial with a crankshaft ~~axle~~ axis [(40)] of the combustion engine [(32)].

3 (Currently Amended): The stabilizer or recycler in accordance with claim 1, characterized in that a clutch or a clutch coupled to a pump transfer gearbox in a physical unit is arranged between the output shaft [(34)] and the power transmission device [(36)].

4 (Currently Amended): The stabilizer or recycler in accordance with claim 1, characterized in that an operator's platform [(10)] is arranged in front of the combustion engine [(32)] in the direction of travel.

5 (Currently Amended): The stabilizer or recycler in accordance with claim 4, characterized in that the running gear [(2)] has front and rear wheels ~~(6, 8)~~ and the operator's platform [(10)] is arranged in a transversely movable manner in front of axles of the front wheels [(8)].

6 (Currently Amended): The stabilizer or recycler in accordance with claim 1, characterized in that at least one of the pivoting arms [(42)] mounted to pivot in the machine chassis [(4)] receives the power transmission device [(36)] between the combustion engine [(32)] and the milling drum [(20)].

7 (Currently Amended): The stabilizer or recycler in accordance with claim 6, characterized in that the milling drum [(20)] is additionally coupled to a lifting device [(50)] that includes a first link mechanism ~~(52, 56, 58)~~ and is attached to the machine chassis [(4)].

8 (Currently Amended): The stabilizer or recycler in accordance with claim 7, characterized in that the ~~milling drum (20) is coupled to a~~ lifting device [(50)] includes a second link mechanism on an opposite side of the milling drum from the first link mechanism, on both front ends, whereby the movement of both ~~lifting~~ devices is link mechanisms being synchronized.

9 (Currently amended): The stabilizer or recycler in accordance with claim 7, characterized in that the lifting device [(50)] includes two pull rods [(52)] running

parallel to each other, which are flexibly mounted on both sides of the milling drum [(20)].

10 (Currently Amended): The stabilizer or recycler in accordance with claim 9, characterized in that the lifting device [(50)] includes at least one two-armed lever [(54)], one lever arm [(56)] of the two-armed lever [(54)] is connected to a free end of one of the pull rods [(52)] and the other lever arm [(58)] of the two-armed lever [(54)] is flexibly coupled to a piston cylinder unit [(60)] attached to the machine chassis [(4)].

11 (Currently Amended): The stabilizer or recycler in accordance with claim 10, characterized in that one two-armed lever [(54)] is provided for each pull rod [(52)] and both two-arm levers [(54)] are connected to each other in a non rotatable manner by a coupling device [(64)] that runs parallel to the shaft of the working drum [(20)] and is mounted in the machine chassis [(4)].

12-14 (Cancelled.)

15 (Currently Amended): The stabilizer or recycler in accordance with claim 2, characterized in that a clutch or a clutch coupled to a pump transfer gearbox in a physical unit is arranged between the output shaft [(34)] and the power transmission device [(36)].

16 (Currently Amended): The stabilizer or recycler in accordance with claim 2, characterized in that an operator's platform [(10)] is arranged in front of the combustion engine [(32)] in the direction of travel.

17 (Currently Amended): The stabilizer or recycler in accordance with claim 3, characterized in that an operator's platform [(10)] is arranged in front of the combustion engine [(32)] in the direction of travel.

18 (Currently Amended): The stabilizer or recycler in accordance with claim 2, characterized in that at least one of the pivoting arms [(42)] mounted to pivot in the machine chassis [(4)] receives the power transmission device [(36)] between the combustion engine [(32)] and the milling drum [(20)].

19 (Currently Amended): The stabilizer or recycler in accordance with claim 3, characterized in that at least one of the pivoting arms [(42)] mounted to pivot in the machine chassis [(4)] receives the power transmission device [(36)] between the combustion engine [(32)] and the milling drum [(20)].

20 (Currently Amended): The stabilizer or recycler in accordance with claim 4, characterized in that at least one of the pivoting arms [(42)] mounted to pivot in the machine chassis [(4)] receives the power transmission device [(36)] between the combustion engine [(32)] and the milling drum [(20)].

21 (Currently Amended): The stabilizer or recycler in accordance with claim 5, characterized in that at least one of the pivoting arms [(42)] mounted to pivot in the machine chassis [(4)] receives the power transmission device [(36)] between the combustion engine [(32)] and the milling drum [(20)].

22 (Currently Amended): The stabilizer or recycler in accordance with claim 8, characterized in that the lifting device [(50)] includes two pull rods [(52)] running parallel to each other, which are flexibly mounted on both sides of the milling drum [(20)].

23-27 (Cancelled)

28 (New): The stabilizer or recycler in accordance with claim 1, characterized in that the combustion engine is fixed to the machine chassis in front of the milling drum so that the engine is located between the front axle and the milling drum, and the pivoting arms extend rearward from the axis of the output shaft so that the milling drum is located between the axis of the output shaft and the rear axle.

29 (New): The stabilizer or recycler in accordance with claim 10, characterized in that extension of the piston cylinder unit raises the working drum and contraction of the piston cylinder unit lowers the working drum.

30 (New): The stabilizer or recycler in accordance with claim 1, characterized in that the at least one mechanical power transmission device comprises a belt drive including a first pulley attached to the output shaft, a second pulley attached to the milling drum, a tension pulley located on a side of the first and second pulleys away from a ground surface, and a drive belt connecting the pulleys, the belt drive pivoting with the milling drum and the pivoting arms about the axis of the output shaft.

31 (New): Automotive construction apparatus, comprising:

a chassis having a direction of travel from a rearward end toward a forward end;

a forward running gear supporting the forward end of the chassis;

a rear running gear supporting the rearward end of the chassis;

first and second pivot arms having upper ends pivotally connected to the chassis and defining a pivotal axis transverse to the direction of travel, and having lower ends extending rearward from the pivotal axis;

a milling drum located between the pivotal axis and the rear running gear and mounted on the first and second pivot arms, the milling drum including a drum axis extending transversely to the direction of travel;

a combustion engine fixed to the chassis between the pivot arms and behind the forward running gear and in front of the milling drum, the engine having an output axis co-axial with the pivotal axis so that the pivot arms and the milling drum pivot about the output axis; and

at least one mechanical power transmission device received by at least one of the pivot arms to transfer drive power from the output shaft to the milling drum.

32 (New): The apparatus of claim 31, wherein the combustion engine has a crankshaft axis, and wherein the output axis and the pivotal axis are co-axial with the crankshaft axis.

33 (New): The apparatus of claim 31, wherein:

the at least one power transmission device comprises a belt drive including a first pulley attached to an output shaft, a second pulley attached to the drum, and a drive belt connecting the pulleys, the belt drive pivoting with the milling drum and the pivot arms about the pivotal axis.

34 (New): The apparatus of claim 33, wherein the belt drive is located within the first pivot arm.

35 (New): The apparatus of claim 31, wherein:

the first and second pivot arms are mounted to first and second sides, respectively, of the chassis;

there is only one mechanical power transmission device, and the only one mechanical power transmission device is carried by the first pivot arm; and

the second pivot arm extends laterally outward from the chassis a shorter distance than does the first pivot arm, so that the apparatus can mill closer to an



obstacle on the second side of the apparatus than it can on the first side of the apparatus.

36 (New): The apparatus of claim 31, further comprising:

an operator's platform supported from the chassis and transversely movable relative to the chassis.

37 (New): The apparatus of claim 31, further comprising:

a lifting linkage including:

first and second two-armed levers located on opposite sides of the chassis and connected to each other in a non-rotatable manner by a coupling device extending parallel to the drum axis of the milling drum;

first and second piston cylinder units connected between the chassis and the first and second two-armed levers; and

first and second pull rods connected between the first and second two-armed levers and the milling drum.

38 (New): The apparatus of claim 37, wherein:

extension of the piston cylinder units raises the milling drum and contraction of the piston cylinder units lowers the milling drum.

39 (New): The apparatus of claim 31, further comprising:

a lifting linkage for lifting and lowering the milling drum, the linkage

including:

a shorter arm and a longer arm fixedly connected together and rotatably connected to the chassis;

a piston cylinder unit connected between the chassis and the shorter arm; and

a pull link connected between the milling drum and the longer arm.

40 (New): The apparatus of claim 39, wherein:

the lifting linkage further comprises:

a second shorter arm and a second longer arm fixedly connected together and rotatably connected to the chassis on an opposite side of the chassis from the first shorter and longer arms;

a coupling device extending through the chassis and connecting the first shorter and longer arms to the second shorter and longer arms in a non-rotatable manner relative to each other;

a second piston cylinder unit connected between the chassis and the second shorter arm; and

a second pull link connected between the milling drum and the second longer arm.

41 (New): The apparatus of claim 31, further comprising:

a clutch operably connected between the engine and the mechanical power transmission device.

42 (New): An automotive construction apparatus, comprising:

a chassis having a direction of travel from a rearward end toward a forward end;

a forward running gear supporting the forward end of the chassis;

a rear running gear supporting the rearward end of the chassis;

first and second pivot arms having upper ends pivotally connected to first and second sides of the chassis and defining a pivotal axis transverse to the direction of travel, and having lower ends extending from the pivotal axis;

a milling drum located between the forward running gear and the rear running gear, the milling drum mounted on the first and second pivot arms and including a drum axis extending transversely to the direction of travel;

a combustion engine fixed to the chassis between the pivot arms and between the forward running gear and the rear running gear;

a mechanical power transmission device received by the first pivot arm to transfer drive power from the engine to the milling drum; and

wherein the second pivot arm extends laterally outward from the chassis a shorter distance than does the first pivot arm, so that the apparatus can mill closer to an obstacle on the second side of the apparatus than it can on the first side of the apparatus.

43 (New): The apparatus of claim 42, wherein:

the milling drum is located behind the pivotal axis; and

the combustion engine is located in front of the drum axis.

44 (New): The apparatus of claim 42, wherein the engine has an output shaft axis co-axial with the pivotal axis.

45 (New): The apparatus of claim 42, further comprising:

an operator's platform supported from the chassis and transversely movable relative to the chassis.

46 (New): The apparatus of claim 42, further comprising:

a lifting linkage including:

first and second two-armed levers located on opposite sides of the chassis and connected to each other in a non-rotatable manner by a coupling device extending parallel to the drum axis of the milling drum;

first and second piston cylinder units connected between the chassis and the first and second two-armed levers; and

first and second pull rods connected between the first and second two-armed levers and the milling drum.

47 (New): The apparatus of claim 42, further comprising:

a clutch operably connected between the engine and the mechanical power transmission device.

48 (New): An automotive construction apparatus, comprising:

a chassis having a direction of travel from a rearward end toward a forward end;

a forward running gear supporting the forward end of the chassis;

a rear running gear supporting the rearward end of the chassis;

first and second pivot arms having upper ends pivotally connected to first and second sides of the chassis and defining a pivotal axis transverse to the direction of travel, and having lower ends extending from the pivotal axis;

a milling drum located between the forward running gear and the rear running gear, the milling drum mounted on the first and second pivot arms and including a drum axis extending transversely to the direction of travel;

a combustion engine fixed to the chassis between the pivot arms, the combustion engine being located behind the forward running gear and in front of the rear running gear; and

a lifting linkage including:

first and second two-armed levers located on opposite sides of the chassis and connected to each other in a non-rotatable manner by a coupling device extending parallel to the drum axis of the milling drum;

first and second piston cylinder units connected between the chassis and the first and second two-armed levers; and

first and second pull rods connected between the first and second two-armed levers and the milling drum.

49 (New): The apparatus of claim 48, wherein:

extension of the piston cylinder units lifts the milling drum and retraction of the piston cylinder units lowers the milling drum.

50 (New): The apparatus of claim 48, wherein:

the milling drum is located behind the pivotal axis; and  
the combustion engine is located in front of the drum axis.